BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET
FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no 01		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
Measurements Taken On :									
		Drain							
		To the right side of Anganavadi							
0	15		Cum	1	15.00	1.10	0.75	12.4	
15	21.5		Cum	1	6.50	1.10	0.75	5.4	
		Front side of Anganavadi							
0	6		Cum	1	6.00	1.10	0.75	5.0	
6	26		Cum	1	20.00	1.10	0.75	16.5	
		4th cross Kote Road							
		RHS							
0	11		Cum	1	11.00	1.10	1.00	12.1	
11	26		Cum	1	15.00	1.10	1.00	16.5	
26	41		Cum	1	15.00	1.10	1.00	16.5	
41	53.5		Cum	1	12.50	1.10	1.00	13.8	
53.5	68.5		Cum	1	15.00	1.10	1.00	16.5	
68.5	83.5		Cum	1	15.00	1.10	1.00	16.5	
83.5	98.5		Cum	1	15.00	1.10	1.00	16.5	
98.5	113.5		Cum	1	15.00	1.10	1.00	16.5	
113.5	123		Cum	1	9.50	1.10	1.00	10.5	
		LHS							
0	15		Cum	1	15.00	1.00	1.05	15.8	
15	30		Cum	1	15.00	1.00	1.05	15.8	
30	45		Cum	1	15.00	1.00	1.05	15.8	
45	60		Cum	1	15.00	1.00	1.05	15.8	
60	75		Cum	1	15.00	1.00	1.05	15.8	
75	90		Cum	1	15.00	1.00	1.05	15.8	
90	105		Cum	1	15.00	1.00	1.00	15.0	
105	109		Cum	1	4.00	1.00	1.00	4.0	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Gnanabharathi School Road							
		RHS							
0	15		Cum	1	15.00	1.30	1.00	19.5	
15	30		Cum	1	15.00	1.30	1.00	19.5	
30	45		Cum	1	15.00	1.30	1.00	19.5	
45	60		Cum	1	15.00	1.30	1.00	19.5	
60	75		Cum	1	15.00	1.30	1.00	19.5	
75	90		Cum	1	15.00	1.30	1.00	19.5	
90	106		Cum	1	16.00	1.30	1.00	20.8	
		Kondappa Layout							
		29th Cross Road							
0	13.6		Cum	1	13.6	0.9	0.85	10.4	
		Culvert							
		Kote Road							
		4th Cross Road	Cum	1	5.00	1.50	1.00	7.5	
		For Concrete Road							
		Anganavadi Surrounding Area							
		Cross road Behind Anganavadi							
0	15		Cum	1	15.00	2.40	0.30	10.8	
15	30		Cum	1	15.00	2.50	0.30	11.3	
30	45		Cum	1	15.00	2.55	0.30	11.5	
45	46.9		Cum	1	1.90	2.60	0.30	1.5	
		Right side of anganavadi							
0	15		Cum	1	15.00	1.30	0.30	5.9	
15	21.5		Cum	1	6.50	1.35	0.30	2.6	
		Anganavadi front							
0	15		Cum	1	15.00	2.20	0.30	9.9	
15	30		Cum	1	15.00	2.20	0.30	9.9	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
		Cross road near anganavadi							
0	15		Cum	1	15.00	2.10	0.30	9.5	
15	22.3		Cum	1	7.30	2.15	0.30	4.7	
		2nd cross Gopalaswami temple							
0	2		Cum	1	2.00	1.50	0.30	0.9	
2	6		Cum	1	4.00	2.25	0.30	2.7	
6	21		Cum	1	15.00	2.70	0.30	12.2	
21	36		Cum	1	15.00	2.98	0.30	13.4	
		Samudhaya Bhavana surrounding							
		Behind Samudhayabhavana							
0	15		Cum	1	15.00	3.75	0.30	16.9	
15	16.5		Cum	1	1.50	3.80	0.30	1.7	
		cross road behind samudhaya bhavana							
0	15		Cum	1	15.00	2.30	0.30	10.4	
15	30		Cum	1	15.00	2.75	0.30	12.4	
30	33.5		Cum	1	3.50	3.10	0.30	3.3	
		Left side of samudhaya bhavana							
0	15		Cum	1	15.00	2.55	0.30	11.5	
15	16.5		Cum	1	1.50	2.60	0.30	1.2	
		Front of Samudhaya bhavana							
0	3.1		Cum	1	3.10	7.60	0.30	7.1	
3.1	8.6		Cum	1	5.50	4.05	0.30	6.7	
		Over Burden	Cum	1	17.50	0.30	0.20	1.1	
							TOTAL	622.29	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no 02		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
Measurements Taken On :									
		Drain							
		To the right side of Anganavadi							
0	15		Cum	1	15.00	1.10	0.15	2.48	
15	21.5		Cum	1	6.50	1.10	0.15	1.07	
		Front side of Anganavadi							
0	6		Cum	1	6.00	1.10	0.15	0.99	
6	26		Cum	1	20.00	1.10	0.15	3.30	
		4th cross Kote Road							
		RHS							
0	11		Cum	1	11.00	1.10	0.15	1.82	
11	26		Cum	1	15.00	1.10	0.15	2.48	
26	41		Cum	1	15.00	1.10	0.15	2.48	
41	53.5		Cum	1	12.50	1.10	0.15	2.06	
53.5	68.5		Cum	1	15.00	1.10	0.15	2.48	
68.5	83.5		Cum	1	15.00	1.10	0.15	2.48	
83.5	98.5		Cum	1	15.00	1.10	0.15	2.48	
98.5	113.5		Cum	1	15.00	1.10	0.15	2.48	
113.5	123		Cum	1	9.50	1.10	0.15	1.57	
		LHS							
0	15		Cum	1	15.00	1.00	0.15	2.25	
15	30		Cum	1	15.00	1.00	0.15	2.25	
30	45		Cum	1	15.00	1.00	0.15	2.25	
45	60		Cum	1	15.00	1.00	0.15	2.25	
60	75		Cum	1	15.00	1.00	0.15	2.25	
75	90		Cum	1	15.00	1.00	0.15	2.25	
90	105		Cum	1	15.00	1.00	0.15	2.25	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET
FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
105	109		Cum	1	4.00	1.00	0.15	0.60	
		Gnanabharathi School Road							
		RHS							
0	15		Cum	1	15.00	1.30	0.15	2.93	
15	30		Cum	1	15.00	1.30	0.15	2.93	
30	45		Cum	1	15.00	1.30	0.15	2.93	
45	60		Cum	1	15.00	1.30	0.15	2.93	
60	75		Cum	1	15.00	1.30	0.15	2.93	
75	90		Cum	1	15.00	1.30	0.15	2.93	
90	106		Cum	1	16.00	1.30	0.15	3.12	
		Kondappa Layout							
		29th Cross Road							
0	13.6		Cum	1	13.6	0.9	0.15	1.84	
		Culvert							
		Kote Road							
		4th Cross Road	Cum	1	5.00	1.50	0.15	1.13	
		For Concrete Road							
		Anganavadi Surrounding Area							
		Cross road Behind Anganavadi							
0	15		Cum	1	15.00	2.4	0.15	5.40	
15	30		Cum	1	15.00	2.5	0.15	5.63	
30	45		Cum	1	15.00	2.55	0.15	5.74	
45	46.9		Cum	1	1.90	2.6	0.15	0.74	
		Right side of anganavadi							
0	15		Cum	1	15.00	1.3	0.15	2.93	
15	21.5		Cum	1	6.50	1.35	0.15	1.32	
		Anganavadi front							
0	15		Cum	1	15.00	2.2	0.15	4.95	
15	30		Cum	1	15.00	2.2	0.15	4.95	
		Cross road near anganavadi							
0	15		Cum	1	15.00	2.1	0.15	4.73	
15	22.3		Cum	1	7.30	2.15	0.15	2.35	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
0	0	2nd cross Gopalaswami temple							
0	2		Cum	1	2.00	1.5	0.15	0.45	
2	6		Cum	1	4.00	2.25	0.15	1.35	
6	21		Cum	1	15.00	2.7	0.15	6.08	
21	36		Cum	1	15.00	2.975	0.15	6.69	
		Samudhaya Bhavana surrounding							
		Behind Samudhayabhavana							
0	15		Cum	1	15.00	3.75	0.15	8.44	
15	16.5		Cum	1	1.50	3.8	0.15	0.86	
		cross road behind samudhaya bhavana							
0	15		Cum	1	15.00	2.3	0.15	5.18	
15	30		Cum	1	15.00	2.75	0.15	6.19	
30	33.5		Cum	1	3.50	3.1	0.15	1.63	
0	0	Left side of samudhaya bhavana							
0	15		Cum	1	15.00	2.55	0.15	5.74	
15	16.5		Cum	1	1.50	2.6	0.15	0.59	
		Front of Samudhaya bhavana							
0	3.1		Cum	1	3.10	7.6	0.15	3.53	
3.1	8.6		Cum	1	5.50	4.05	0.15	3.34	
							TOTAL	156.89	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks
From	To				(m)	(m)	(m)		
Item no 04		Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .							
Measurements Taken On :									
		for Drain	Tonne		From calculation sheet			8.67	
		for Culvert	Tonne		From calculation sheet			0.33	
							TOTAL	8.99	

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	Item no.04	**Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**							
	Measurements Taken On :								
	To the right side of Anganavadi								
	Main Bars (#12@120 c/c)	1	12	190	190	1.95	370.50	0.887814	328.94
	Distribution(11-#8)	1	8	11	11	21.50	236.50	0.394584	93.32
	Front side of Anganavadi								
	Main Bars (#12@120 c/c)	1	12	227	227	1.95	442.65	0.887814	392.99
	Distribution(11-#8)	1	8	11	11	26	286.00	0.394584	112.85
	4th cross Kote Road								
	RHS								
	Main Bars (#12@120 c/c)	1	12	1035	1035	2.25	2328.75	0.887814	2067.50
	Distribution(11-#8)	1	8	11	11	123.00	1353.00	0.394584	533.87
	LHS								
	Main Bars (#12@120 c/c)	1	12	919	919	2.35	2159.65	0.887814	1917.37
	Distribution(11-#8)	1	8	11	11	109.00	1199.00	0.394584	473.11
	Gnanabharathi School Road								
	RHS								
	Main Bars (#12@120 c/c)	1	12	892	892	2.51	2238.92	0.887814	1987.74
	Distribution(11-#8)	1	8	11	11	106	1166.00	0.394584	460.08
	Kondappa Layout								
	29th Cross Road								
	Main Bars (#12@120 c/c)	1	12	122	122	2.20	268.40	0.887814	238.29
	Distribution(11-#8)	1	8	11	11	13.6	149.60	0.394584	59.03
	Culvert								
	Kote Road								
	4th Cross Road								

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

PRE MEASUREMENT SHEET

FIRST AND PART BILL

STEEL CALCULATION

Sl NO	Description	Nos	BAR DIA	No. Bars	Total No. bars	Length	Total Length	Weight	Total weight
			mm			m	m	kg/m	Kg's
	side wall								
	Main Bars outer face (#16@150 c/c)	1	16	35	35	2.95	103.25	1.578336	162.96
	Main Bars inner face (#16@150 c/c)	1	16	35	35	2.55	89.25	1.578336	140.87
	Distribution								
	side walls(14#10)	2	10	14	28	0.80	22.40	0.616538	13.81
	bottom slab(14-#10)	1	10	14	14	1.35	18.90	0.616538	11.65
								TOTAL QTY IN KG'S	8994.38
								TOTAL QTY IN TONNE	8.99

CIVIL Pro

15/11/2019

15-11-1

Asst. Executive Engin
Yelahanka Sub Divisio

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET
FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	Rate in	Amount in
From	To				(m)	(m)	(m)			RS.	RS.
Item no 01		Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 meters and an average lift upto 0.5 m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods complete as per specifications. and as per the directions of the Engineer-in-charge of the work .									
			cum								
		Vide Total executed Quantity from premeasuremet Page no. 1 to 3						622.29		215.28	133966.10
Item no 02		Providing and laying Plain cement concrete of mix1:3:6 with OPC cement @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @ 0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration including curing for 14 days Including cost of materials,labour, HOM curing form work, Scaffolding and Centering complete as per specifications. and as per the directions of the Engineer-in-charge of the work .									
			cum								
		Vide Total executed Quantity from premeasuremet Page no. 4 to 6						156.89		5421.90	850622.91
Item no 03		Providing laying plain/ reinforced cement concrete for side Drains Using M20 nominal mix Concrete with OPC at 300kgs.With 20mm and Down size granite metal coarse aggregate at 0.69cum and fine aggregate at 0.43cum Machne mixed, well compacted for wall and Bottom including centering shuttering,cost of materials,HOM of Machinery,Curing Etc.,Complete Excluding cost of Steel as per morth MORTH specification and as per the directions of the Engineer-in-charge of the work .									
		Drain									
		Bottom Slab									
		To the right side of Anganavadi									
0	15		Cum	1	15.00	0.90	0.15	2.03			
15	21.5		Cum	1	6.50	0.90	0.15	0.88			
		Front side of Anganavadi									
0	6		Cum	1	6.00	0.90	0.15	0.81			
6	26		Cum	1	20.00	0.90	0.15	2.70			
		4th cross Kote Road									
		RHS									
0	11		Cum	1	11.00	0.90	0.15	1.49			
11	26		Cum	1	15.00	0.90	0.15	2.03			
26	41		Cum	1	15.00	0.90	0.15	2.03			
41	53.5		Cum	1	12.50	0.90	0.15	1.69			
53.5	68.5		Cum	1	15.00	0.90	0.15	2.03			
68.5	83.5		Cum	1	15.00	0.90	0.15	2.03			
83.5	98.5		Cum	1	15.00	0.90	0.15	2.03			
98.5	113.5		Cum	1	15.00	0.90	0.15	2.03			
113.5	123		Cum	1	9.50	0.90	0.15	1.28			
		LHS									
0	15		Cum	1	15.00	0.90	0.15	2.03			

CIVIL DEPT. Sig..... Date..... BBMP BANGALORE

Contactor

Assistant Engineer 18/12/17

C&Fc

BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET
FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	Rate in	Amount in
From	To				(m)	(m)	(m)			RS.	RS.
15	30		Cum	1	15.00	0.90	0.15	2.03			
30	45		Cum	1	15.00	0.90	0.15	2.03			
45	60		Cum	1	15.00	0.90	0.15	2.03			
60	75		Cum	1	15.00	0.90	0.15	2.03			
75	90		Cum	1	15.00	0.90	0.15	2.03			
90	105		Cum	1	15.00	0.90	0.15	2.03			
105	109		Cum	1	4.00	0.90	0.15	0.54			
		Gnanabharathi School Road									
		RHS									
0	15		Cum	1	15.00	1.10	0.15	2.48			
15	30		Cum	1	15.00	1.10	0.15	2.48			
30	45		Cum	1	15.00	1.10	0.15	2.48			
45	60		Cum	1	15.00	1.10	0.15	2.48			
60	75		Cum	1	15.00	1.10	0.15	2.48			
75	90		Cum	1	15.00	1.10	0.15	2.48			
90	106		Cum	1	16.00	1.10	0.15	2.64			
		Kondappa Layout									
		29th Cross Road									
0	13.6		Cum	1	13.6	0.85	0.15	1.73			
		Side Wall									
		To the right side of Anganavadi									
0	15		Cum	2	15.00	0.15	0.45	2.03			
15	21.5		Cum	2	6.50	0.15	0.45	0.88			
		Front side of Anganavadi									
0	6		Cum	2	6.00	0.15	0.45	0.81			
6	26		Cum	2	20.00	0.15	0.45	2.70			
		4th cross Kote Road									
		RHS									
0	11		Cum	2	11.00	0.15	0.60	1.98			
11	26		Cum	2	15.00	0.15	0.60	2.70			
26	41		Cum	2	15.00	0.15	0.60	2.70			
41	53.5		Cum	2	12.50	0.15	0.60	2.25			
53.5	68.5		Cum	2	15.00	0.15	0.60	2.70			
68.5	83.5		Cum	2	15.00	0.15	0.60	2.68			
83.5	98.5		Cum	2	15.00	0.15	0.60	2.70			
98.5	113.5		Cum	2	15.00	0.15	0.60	2.70			
113.5	123		Cum	2	9.50	0.15	0.60	1.71			
		LHS									
0	15		Cum	2	15.00	0.15	0.65	2.93			
15	30		Cum	2	15.00	0.15	0.65	2.93			
30	45		Cum	2	15.00	0.15	0.65	2.93			
45	60		Cum	2	15.00	0.15	0.65	2.93			
60	75		Cum	2	15.00	0.15	0.65	2.93			
75	90		Cum	2	15.00	0.15	0.65	2.93			
90	105		Cum	2	15.00	0.15	0.65	2.93			
105	109		Cum	2	4.00	0.15	0.65	0.78			

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28/12/19

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET
FIRST AND PART BILL

Chainage in m From	Chainage in m To	Description of Item	Unit	No	Length (m)	Breadth (m)	Depth (m)	Quantity	Remarks	Rate in RS.	Amount in RS.
		Gnanabharathi School Road									
		RHS									
0	15		Cum	2	15	0.15	0.65	2.93			
15	30		Cum	2	15	0.15	0.65	2.93			
30	45		Cum	2	15	0.15	0.65	2.93			
45	60		Cum	2	15	0.15	0.65	2.93			
60	75		Cum	2	15	0.15	0.60	2.70			
75	90		Cum	2	15	0.15	0.60	2.70			
90	106		Cum	2	16	0.15	0.60	2.88			
		Kondappa Layout									
		29th Cross Road									
0	13.6		Cum	2	13.6	0.15	0.6	2.45			
		Culvert									
		Bottom Slab									
		Kote Road									
		4th Cross Road	Cum	1	5.00	1.35	0.20	1.35			
		Side Walls									
		4th Cross Road	Cum	2	5.00	0.20	0.60	1.20			
							TOTAL	131.72		7070.20	931283.21
Item no 04		**Providing T.M.T bars Fe 500 steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. and as per the directions of the Engineer-in-charge of the work .**									
			Tonne								
		Vide Total executed Quantity from premeasuremet Page no. 07						8.99		73992.24	665514.39
Item no 05		**Providing and Fixing pre cast covering Slab made out of CC 1:2:4 with 10cm thick and Finishing cutting ,including form work,curing,including cost of alll materials, labour,hire charges of machinery ,loading, unloading, lead and lift,transportation etc ,copmplete. and as per the directions of the Engineer-in-charge of the work .**									
		Drain									
		To the right side of Anganavadi									
0	15		Sqm	1	15.00	0.75		11.25			
15	21.5		Sqm	1	6.50	0.75		4.88			
		Front side of Anganavadi									
0	6		Sqm	1	6.00	0.75		4.50			
6	26		Sqm	1	20.00	0.75		15.00			
		4th cross Kote Road									
		RHS									
0	11		Sqm	1	11.00	0.75		8.25			
11	26		Sqm	1	15.00	0.75		11.25			

CIVIL PRO Sig..... Date..... BMC BANGALORE

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Assistant Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	Rate in	Amount in
From	To				(m)	(m)	(m)			RS.	RS.
26	41		Sqm	1	15.00	0.75		11.25			
41	53.5		Sqm	1	12.50	0.75		9.38			
53.5	68.5		Sqm	1	15.00	0.75		11.25			
68.5	83.5		Sqm	1	15.00	0.75		11.25			
83.5	98.5		Sqm	1	15.00	0.75		11.25			
98.5	113.5		Sqm	1	15.00	0.75		11.25			
113.5	123		Sqm	1	9.50	0.75		7.13			
		LHS									
0	15		Sqm	1	15.00	0.75		11.25			
15	30		Sqm	1	15.00	0.75		11.25			
30	45		Sqm	1	15.00	0.75		11.25			
45	60		Sqm	1	15.00	0.75		11.25			
60	75		Sqm	1	15.00	0.75		11.25			
75	90		Sqm	1	15.00	0.75		11.25			
90	105		Sqm	1	15.00	0.75		11.25			
105	109		Sqm	1	4.00	0.75		3.00			
		Gnanabharathi School Road									
		RHS									
0	15		Sqm	1	15.00	0.90		13.50			
15	30		Sqm	1	15.00	0.90		13.50			
30	45		Sqm	1	15.00	0.90		13.50			
45	60		Sqm	1	15.00	0.90		13.50			
60	75		Sqm	1	15.00	0.90		13.50			
75	90		Sqm	1	15.00	0.90		13.50			
90	106		Sqm	1	16.00	0.90		14.40			
		Kondappa Layout									
		29th Cross Road									
0	13.6		Sqm	1	13.60	0.75		10.20			
							TOTAL	315.23		2337.00	736680.83
Item no 06		Providing and Fixing pre cast covering Slab 250mm thick made out of CC 1:2:4 and jelly 20mm Down size with steel reinforcement including form work,curing,including cost of alll materials, labour,hire charges of machinery, loading, unloading, lead and lift,transportation etc ,complete.and as per the directions of the Engineer-in-charge of the work .									
		CULVERT									
		Cover slab									
		Kote Road									
		4th Cross Road	Sqm	1	5.00	1.20		6.00			
							TOTAL	6.00		5418.00	32508.00

CIVIL Pro

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	Rate in	Amount in
From	To				(m)	(m)	(m)			RS.	RS.
Item no 07		Cement concrete pavement.Construction of un-reinforced plain cement concrete for pavement, using a grade concrete M30 over a prepared base with OPC coarse aggregate @ 0.69cum fine aggregate @ 0.46cum,coarse and fine aggregate confirming to IS:383-2016,with superplastisiser @3lts confirming to IS9103-2008.mixed in a concrete mixer of not less than 0.6 cum capacity and appropriate weigh batcher as per approved mix design, laid in approved fixed side form work (steel channel, laying and fixing of 125 micron thick polythene film, wedges, steel plates including levelling the form work as per drawing). & Spreading the concrete with shovels, rackers compacted using needle, screed and plate vibrator and finished with floaters in a continuous operation including provision of contraction, expansion, construction and longitudinal joints including groove cutting charges, joint filler, separation membrane of impermiable plastic sheet of 125 micron, sealant primer, joint sealant, admixtures as approved, curing compound, finishing to lines and grades, textured with texturing machine,and curing including cost of all materials,labour,hire charges of machineries,all lead and lift charges etc., complete as per specifications. and as per the directions of the Engineer-in-charge of the work .								
		Anganavadi Surrounding Area									
		Cross road Behind Anganavadi									
0	15		Cum	1	15.00	2.40	0.15	5.40			
15	30		Cum	1	15.00	2.50	0.15	5.63			
30	45		Cum	1	15.00	2.55	0.15	5.74			
45	46.9		Cum	1	1.90	2.60	0.15	0.74			
		Right side of anganavadi									
0	15		Cum	1	15.00	1.30	0.15	2.93			
15	21.5		Cum	1	6.50	1.35	0.15	1.32			
		Anganavadi front									
0	15		Cum	1	15.00	2.20	0.15	4.95			
15	30		Cum	1	15.00	2.20	0.15	4.95			
		Cross road near anganavadi									
0	15		Cum	1	15.00	2.10	0.15	4.73			
15	22.3		Cum	1	7.30	2.15	0.15	2.35			
		2nd cross Gopalaswami temple									
0	2		Cum	1	2.00	1.50	0.15	0.45			
2	6		Cum	1	4.00	2.25	0.15	1.35			
6	21		Cum	1	15.00	2.70	0.15	6.08			
21	36		Cum	1	15.00	2.98	0.15	6.69			
		Samudhaya Bhavana surrounding									
		Behind Samudhayabhavana									
0	15		Cum	1	15.00	3.75	0.15	8.44			
15	16.5		Cum	1	1.50	3.80	0.15	0.86			

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Assistant Engineer 3/01/2020

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	Rate in	Amount in
From	To				(m)	(m)	(m)			RS.	RS.
		cross road behind samudhaya bhavana									
0	15		Cum	1	15.00	2.30	0.15	5.18			
15	30		Cum	1	15.00	2.75	0.15	6.19			
30	33.5		Cum	1	3.50	3.10	0.15	1.63			
		Left side of samudhaya bhavana									
0	15		Cum	1	15.00	2.55	0.15	5.74			
15	16.5		Cum	1	1.50	2.60	0.15	0.59			
		Front of Samudhaya bhavana									
0	3.1		Cum	1	3.10	7.60	0.15	3.53			
3.1	8.6		Cum	1	5.50	4.05	0.15	3.34			
							TOTAL	88.77		5210.96	462592.55
Item no 08		Vaccum De- writing with vaccum pump and suction mat and compaction with skin flater clubbed with floatiog dise including cost of generator, HOM of machinery Sereed Vibratory Power Floaterblade and diise etc. with all lead and lift. and as per the directions of the Engineer-in-charge of the work .									
		Anganavadi Surrounding Area									
		Cross road Behind Anganavadi									
0	15		Sqm	1	15.00	2.40		36.00			
15	30		Sqm	1	15.00	2.50		37.50			
30	45		Sqm	1	15.00	2.55		38.25			
45	46.9		Sqm	1	1.90	2.60		4.94			
		Right side of anganavadi									
0	15		Sqm	1	15.00	1.30		19.50			
15	21.5		Sqm	1	6.50	1.35		8.78			
		Anganavadi front									
0	15		Sqm	1	15.00	2.20		33.00			
15	30		Sqm	1	15.00	2.20		33.00			
		Cross road near anganavadi									
0	15		Sqm	1	15.00	2.10		31.50			
15	22.3		Sqm	1	7.30	2.15		15.70			
		2nd cross Gopalaswami temple									
0	2		Sqm	1	2.00	1.50		3.00			
2	6		Sqm	1	4.00	2.25		9.00			
6	21		Sqm	1	15.00	2.70		40.50			
21	36		Sqm	1	15.00	2.98		44.63			
		Samudhaya Bhavana surrounding									
		Behind Samudhayabhavana									

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Assistant Engineer

Assistant Executive Engineer

BRUHAT BANGALORE MAHANAGARA PALIKE

NAME OF WORK: Improvements to Roads and Drains at Yelahanka Old Town SC/ST area and AD colony and surrounding areas in Ward No. 02 of Yelahanka Sub division

MEASUREMENT SHEET

FIRST AND PART BILL

Chainage in m		Description of Item	Unit	No	Length	Breadth	Depth	Quantity	Remarks	Rate in	Amount in
From	To				(m)	(m)	(m)			RS.	RS.
0	15		Sqm	1	15.00	3.75		56.25			
15	16.5		Sqm	1	1.50	3.80		5.70			
		cross road behind samudhaya bhavana									
0	15		Sqm	1	15.00	2.30		34.50			
15	30		Sqm	1	15.00	2.75		41.25			
30	33.5		Sqm	1	3.50	3.10		10.85			
		Left side of samudhaya bhavana									
0	15		Sqm	1	15.00	2.55		38.25			
15	16.5		Sqm	1	1.50	2.60		3.90			
		Front of Samudhaya bhavana									
0	3.1		Sqm	1	3.10	7.60		23.56			
3.1	8.6		Sqm	1	5.50	4.05		22.28			
							TOTAL	591.82		72.08	42658.39
										SUB TOTAL AMOUNT	3855826.38
										Add KRIDL @ 4%	154233.06
										Add GST @ 12%	462699.17
										TOTAL AMOUNT	4472758.60

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CIVIL Pro Sig..... Date..... BANGALORE

Assistant Engineer 9/01/2020

Asst. Executive Engineer
Yelahanka Sub. Division
(BBMP Ynk. Zn)
Yelahanka, Bangalore

Assistant Executive Engineer
(BBMP Ynk. Zn)